Gainward HD 4830 512MB TV Dual DVI

GPU	Core	Memory	Capacity	Type	Outputs
HD 4830	575 MHz	1800 MHz	512MB	DDR3 / 256 bits	DVI-I *2, HDTV *1

PRODUCT SPECIFICATIONS

- **Superior Hardware Design**
- **Gainward's** award winning High-Performance/ Wide-Bandwidth™ hardware design powered by ATI's Radeon® **HD 4830** GPU integrating **512MB/256bits** high-speed DDR3 memory which offers enhanced, leading-edge performance for the 3D enthusiasts.
- **575MHz** core clock, **900 (DDR 1800) MHz** memory clock.
- High performance two-slot cooling fan.
- Dual DVI (with Dual-link DVI, support up to 2560x1600) and Video out connector with S-Video/Composite/HDTV support.
- Provides world-class **HDTV-out** functionality up to 1080i resolution**.**
- Supports two monitors simultaneously, enabled by ATI's Multi-Display Technology for office applications, 3D gaming and professional applications, animation or video editing. It allows end-users to select any combination of display configurations, including a DVI, CRT, and TV.
- **ATI Catalyst™ Software Suite** provides a full software solution for supported OS and delivers improved performance, certified stability, unmatched visual quality, innovative and exciting features that enables users to quickly setup and configure the graphics product.
- Easy Plug-and-Play **AUTORUN** installation from CD-ROM.

CHIPSET SPECIFICATIONS

- **AMD ATI Radeon HD 4830 (RV770LE):** ATI's powerful new TeraScale graphics engine features deliver high resolution and fast frame rates.
- **Unified Superscalar Shader Architecture:** with **640** stream processing units support for dynamic load balancing and resource allocation for vertex, geometry and pixel shaders.
- **Microsoft DirectX 10.1 support**
  - Shader Model 4.1
  - 32-bit floating point texture filtering
  - Indexed cube map arrays
  - Independent blend modes per render target
  - Pixel coverage sample masking
  - Read/write multi-sample surfaces with shaders
  - Gather4 texture fetching
- **Anti-Aliasing Features:**
  - Multi-sample anti-aliasing (2, 4 or 8 samples per pixel)
  - Up to 24x custom filter anti-aliasing (CFAA) for improved quality
  - Adaptive super-sampling and multi-sampling
  - Temporal anti-aliasing
  - Gamma correct
  - Super AA (ATI Crossfire configuration only
- **Texture Filtering Features:**
  - 2x/4x/8x/16x high quality adaptive anisotropic filtering modes
  - 128-bit floating point HDR texture filtering
  - Bicubic filtering

BUNDLED ACCESSORIES

- Gainward ATI Quick Start Manual

- Driver CD and Application S/W

Driver for Windows Vista/XP/2000/XP 64

- Cables and Accessories

Supplementary power cable

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- **ATI's CrossFireX™ Technology:** ATI's CrossFireX™ technology enables two or more discrete graphics processors to work together to improve system performance. The must-have feature for performance PCI Express graphics, CrossFireX™ technology dramatically scales performance on today's hottest games.
- **PCI Express 2.0 Support:** Designed to run perfectly with the new PCI Express 2.0 bus architecture, offering a future-proofing bridge to tomorrow's most bandwidth-hungry games and 3D applications by maximizing the 16 GB/s PCI Express 2.0 bandwidth(twice that of first generation PCI Express).

- sRGB filtering (gamma/degamma)
- Percentage Closer Filtering (PCF)
- Depth & stencil texture (DST) format support
- Shared exponent HDR (RGBE 9:9:9:5) texture format support

- **Avivo™ HD Video and Display Platform**

- Dedicated unified video decoder 2 (UVD2) for H.264/AVC and VC-1 video formats
- ATI Avivo Video Post Processor
- Two independent display controllers
- HDMI output support
- Hardware MPEG-1, MPEG-2, and DivX video decode acceleration
- On-chip HDCP
- Seamless integration of pixel shaders with video in real time
- VGA mode support on all display outputs

- **ATI PowerPlay™ technology**

- Advanced power management technology for optimal performance and power savings
- Performance-on-Demand
- Central thermal management – on-chip sensor monitors GPU temperature and triggers thermal actions as required

DVI to CRT converter

Note: Gainward's bundle items are subject to change. Please refer to your local Gainward dealer for more information, or the description in the regional product package

SYSTEM REQUIREMENTS

- Intel Core2Duo series, AMD Athlon 64 X2 series or above CPU
- A minimum of 2GB system memory
- A minimum 450W system power supply with one 6-pin power connector available.
- DVD-ROM drive
- Requires a PCI Express or PCI Express 2.0 compliant motherboard
- Requires an available PCI Express x16 slot
- Windows Vista/XP/2000/XP 64

API SUPPORT

- DirectX 10.1/9.0c in hardware
- OpenGL 2.0 support

OS SUPPORT

- Windows Vista/XP/2000/XP 64

BAR CODE

- Large Box: 471846200-9863

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BEYOND YOUR SENSES

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